



7138
1117102
Patent

Attorney's Docket No. 030560-057

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of)
Friedrich ALTMANN) Group Art Unit: 1632
Application No.: 09/913,858) Examiner: Sita S. Pappu
Filed: August 20, 2001)
For: FUCOSYL TRANSFERASE GENE)

RECEIVED
JAN 11 2002
TECH CENTER 1600/2600

**INFORMATION DISCLOSURE STATEMENT
TRANSMITTAL LETTER**

Assistant Commissioner for Patents
Washington, D.C. 20231

Sir:

Enclosed is an Information Disclosure Statement and accompanying form PTO-1449 for the above-identified patent application.

- ☒ No additional fee for submission of an IDS is required.
- ☐ The fee of \$180.00 (126) as set forth in 37 C.F.R. § 1.17(p) is also enclosed.
- ☐ A certification under 37 C.F.R. § 1.97(e) is also enclosed.
- ☐ A certification under 37 C.F.R. § 1.97(e), and the fee of \$180.00 (126) as set forth in 37 C.F.R. § 1.17(p) are also enclosed.
- ☐ Charge \$_____ to Deposit Account No. 02-4800 for the fee due.
- ☐ A check in the amount of \$_____ is enclosed for the fee due.

The Commissioner is hereby authorized to charge any appropriate fees under 37 C.F.R. §§ 1.16, 1.17 and 1.21 that may be required by this paper, and to credit any overpayment, to Deposit Account No. 02-4800. This paper is submitted in duplicate.

Respectfully submitted,

BURNS, DOANE, SWECKER & MATHIS, L.L.P.

By:

Donna M. Meuth

Registration No. 36,607

P.O. Box 1404
Alexandria, Virginia 22313-1404
(703) 836-6620
Date: January 9, 2002

For:
Reg No 24,118



Patent
Attorney's Docket No. 030560-057

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of)
Friedrich ALTMANN) Group Art Unit: 1632
Application No.: 09/913,858) Examiner: Sita S. Pappu
Filed: August 20, 2001)
For: FUCOSYL TRANSFERASE GENE)

RECEIVED
JAN 11 2002
TECH CENTER 1600/2900

INFORMATION DISCLOSURE STATEMENT

Assistant Commissioner for Patents
Washington, D.C. 20231

Sir:

In accordance with the duty of disclosure as set forth in 37 C.F.R. § 1.56, Applicant hereby submits the following information in conformance with 37 C.F.R. §§ 1.97 and 1.98. Pursuant to 37 C.F.R. § 1.98, a copy of each of the documents cited is enclosed.

The documents are being submitted within 3 months of the filing or entry of the national stage of this application or before the first Office Action on the merits, whichever is later, therefore no fee or certification is required under 37 C.F.R. § 1.97(b).

To assist the Examiner, the listed on the attached form PTO-1449. It is respectfully requested that an Examiner initialed copy of this form be returned to the undersigned.

Respectfully submitted,

BURNS, DOANE, SWECKER & MATHIS, L.L.P.

By:

Donna M. Meuth

For Registration No. 36,607

P.O. Box 1404
Alexandria, Virginia 22313-1404
(703) 836-6620
Date: January 9, 2002

Substitute for form 1449A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

 ATTORNEY'S DKT NO.
030560-057

 APPLICATION NO.
09/913,858

 APPLICANT
Friedrich ALTMANN

 FILING DATE
August 20, 2001

 GROUP
1632

U.S. PATENT DOCUMENTS

Examiner Initials	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication (MM-DD-YYYY)
	Number	Kind Code (if known)		

FOREIGN PATENT DOCUMENTS

Examiner Initials	Foreign Patent Document		Country	Date of Publication (MM-DD-YYYY)	Translation	
	Number	Kind Code (if known)			Yes	no

NON PATENT LITERATURE DOCUMENTS

Examiner Initials	Include name of author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.
	Sumihiro Hase et al, "Reexamination of the Pyridylation Used for Fluorescence Labeling of Oligosaccharides and Its Application to Glycoproteins," J. Biochem., Vol. 95, No. 1, pages 197-203, 1984.
	Viktoria Kubelka et al, "Structures of the N-linked Oligosaccharides of the Membrane Glycoproteins from Three Lepidopteran Cell Lines (Sf-21, IZD-Mb-0503, Bm-N)," Archives of Biochemistry and Biophysics, Vol. 308, No. 1, pages 148-157, January 1994.
	Richard Strasser et al, "Molecular cloning and characterization of cDNA coding for β 1,2N-acetylglucosaminyltransferase I (GlcNAc-TI) from <i>Nicotiana tabacum</i> ," Glycobiology, Vol. 9, No. 8, pages 779-785, 1999.
	David H. Joziassse, "Mammalian glycosyltransferases: genomic organization and protein structure," Phycobiology, Vol. 2, pages 271-276, 1992.
	Angelika Görg et al, "Two-dimensional electrophoresis with immobilized pH gradients of leaf proteins from barley (<i>Hordeum vulgare</i>): Method, reproducibility and genetic aspects," Electrophoresis, Vol. 9, pages 681-692, 1988.
	Friedrich Altmann, "Determination of Amino Sugars and Amino Acids in Glycoconjugates Using Precolumn Derivatization with o-Phthalaldehyde," Analytical Biochemistry, Vol. 204, pages 215-219, 1992.
	Karola Rittner et al, "In vitro selection of fast-hybridizing and effective antisense RNAs directed against the human immunodeficiency virus type 1," Nucleic Acids Research, Vol. 21, No. 6, pages 1381-1387, 1993.
	E. Gerhart H. Wagner et al, "Antisense RNA Control in Bacteria, Phages, and Plasmids," Annu. Rev. Microbiol., Vol. 48, pages 713-42, 1994.
	Peter M. Waterhouse, et al, "Virus resistance and gene silencing in plants can be induced by simultaneous expression of sense and antisense RNA," Proc. Natl. Acad. Sci., Vol. 95, pages 13959-13964, November 1998.
	Gianinna Brigneti et al, "Viral pathogenicity determinants are suppressors of transgene silencing in <i>Nicotiana benthamiana</i> ," The EMBO Journal, Vol. 17, No. 22, pages 6739-6746, 1998.
	David C. Baulcombe, "RNA as a target and an initiator of post-transcriptional gene silencing in transgenic plants," Plant Molecular Biology, Vol. 32, pages 79-88, 1996.
	Erika Staudacher et al, "GDP-fucose: β -N-acetylglucosamine (Fuc to (Fuc α 1-6GlcNAc)-Asn-peptide) α 1-3-fucosyltransferase activity in honeybee (<i>Apis mellifica</i>) venom glands," Eur. J. Biochem., Vol. 199, pages 745-751, 1991.

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. SEND TO: Assistant Commissioner for Patents, Washington, D.C. 20231.

Substitute for form 1449A/PTO	ATTORNEY'S DKT NO.	APPLICATION NO.
	030560-057	09/913,858
	APPLICANT	
	Friedrich ALTMANN	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT	FILING DATE	GROUP
	August 20, 2001	1632

	Reinhard Zeleny et al, "A Capillary Electrophoretic Study on the Specificity of β -Galactosidases from <i>Aspergillus oryzae</i> , <i>Escherichia coli</i> , <i>Streptococcus pneumoniae</i> , and <i>Canavalia ensiformis</i> (Jack Bean)," <i>Analytical Biochemistry</i> , Vol. 246, pages 96-101, 1997.
	Anne-Catherine Fitchette-Lainé et al, "N-glycans harboring the Lewis a epitope are expressed at the surface of plant cells," <i>The Plant Journal</i> , Vol. 12, No. 6, pages 1411-1417, 1997.
	Nuno S. Melo et al, "Identification of the human Lewis carbohydrate motif in a secretory peroxidase from a plant cell suspension culture (<i>Vaccinium myrtillus L.</i>)," <i>FEBS Letters</i> , Vol. 415, pages 186-191, 1997.
	Akira Kurosaka et al, "The Structure of a Neural Specific Carbohydrate Epitope of Horseradish Peroxidase Recognized by Anti-horseradish Peroxidase Antiserum," <i>The Journal of Biological Chemistry</i> , Vol. 266, No. 7, pages 4168-4172, March 1991.
	Catherine Rayon et al, "The protein N-glycosylation in plants," <i>Journal of Experimental Botany</i> , Vol. 49, No. 326, pages 1463-1472, September 1998.
	Volker Patzel et al, "Theoretical design of antisense RNA structures substantially improves annealing kinetics and efficacy in human cells," <i>Nature Biotechnology</i> , Vol. 16, pages 64-68, January 1998.
	Tomoko Kuwabara et al, "Formation of catalytically active dimer by tRNA-driven short ribozymes," <i>Nature Biotechnology</i> , Vol. 16, pages 961-965, October 1998.
Examiner Signature	Date Considered

RECEIVED
JAN 11 2002
TECH CENTER 1600/2900

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. SEND TO: Assistant Commissioner for Patents, Washington, D.C. 20231.